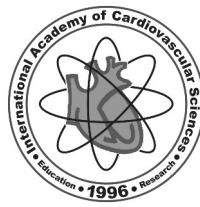
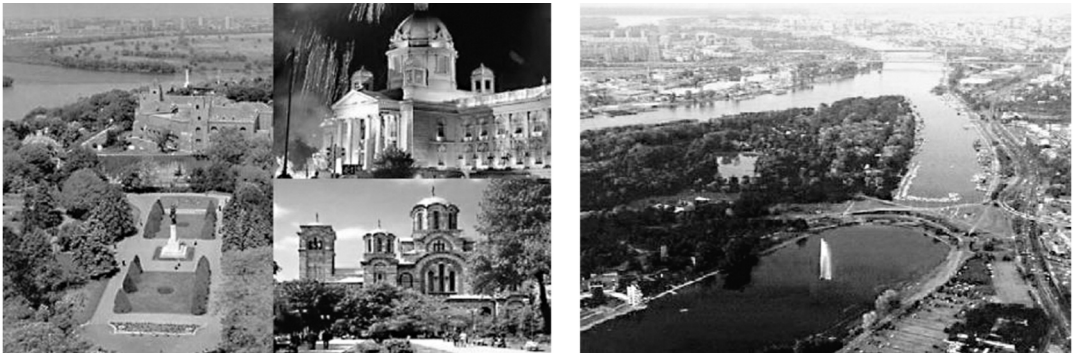


2ND EUROPEAN SECTION MEETING OF THE
INTERNATIONAL ACADEMY OF CARDIOVASCULAR SCIENCES

**"HEART DISEASES: HOW NEW RESEARCH
MAY LEAD TO NEW TREATMENTS"**



Organized by the
International Academy of Cardiovascular Sciences - European Section



ABSTRACT BOOK WITH FINAL PROGRAM

Venue: Hotel Crowne Plaza, Belgrade, Serbia
Date: October 8th – 10th, 2015

<http://www.heartacademy.org/>
<http://www.iacs.sav.sk/>

FOREWORD

Dear Colleagues,

The beautiful city of Belgrade is hosting the *2nd European Section Meeting of the International Academy of Cardiovascular Sciences (IACS)*. Cardiovascular sciences are undergoing many important changes during last decade. By using novel techniques we are gaining better understanding of mechanisms of normal functions and diseases of cardiovascular system, and enabling us to make better diagnoses. Physiologists, geneticists, molecular biologists, epidemiologists, nutritionists, pharmacologists, clinicians etc. are providing us with novel tools and knowledge that is improving our work; as cardiovascular scientists we have many interactions with other disciplines, and the evolution of our field has impact on medical decisions in everyday practice. We are sure that the general topics for the IACS Belgrade 2015 meeting really give a contribution to cardiovascular medicine. It is not easy to keep up with everything that is ongoing, but the IACS tries to serve also the educational needs of cardiovascular specialists. Moreover, the *European Section of the International Academy of Cardiovascular Sciences* feels strongly about the role of science in the developments that steer our practice. Thus, educational needs are always integrated in cardiovascular scientific progress.

The meeting has research- and clinically-based sessions as programmed by our scientific committee, special sessions on continuing medical education and public awareness, and most importantly, keynote lectures which will enlighten us on recent cardiovascular developments and innovations. No other meeting in cardiovascular sciences has such a broad scopes and at the same time is so directed on what we do, in public, academia and in cardiovascular research laboratories. The scientific program will include a broad mix of topics from molecular, cellular and integrative aspects of cardiovascular sciences going ahead to the scientific problems covered by the international scientific community.

Finally, Belgrade is not only the international city but also the very historical place where you will find typical Serbian spirit of life also.

We appreciate your participation not only from Serbia but also from other countries and wish you nice stay with us.

On behalf of the Program & Organizing Committee

Dragan Djurić, Vladimir Jakovljević, Andras Varro and Naranjan Dhalla

Meeting Co-Chairs

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Jakovljevic Vladimir, Kragujevac, Serbia

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Varro Andras, Szeged, Hungary

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Turan Belma, Ankara, Turkey

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Vegh Agnes, Szeged, Hungary

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Živković Vladimir, Kragujevac, Serbia

*Surnames are listed in alphabetical order.

**2015 European Section Meeting of the
International Academy of Cardiovascular Sciences (IACS-ES)
October 8th – 10th, 2015, Belgrade, Republic of Serbia
Venue: Hotel Crowne Plaza**

PROGRAM

Thursday, October 8th 2015 (Hall Baltic & Aegean)

9.00-9.30

OPENING OF THE MEETING & WELCOME MESSAGES

Chairs: Dhalla NS, Djurić D, Jakovljević V, Ostadal B, Pierce GN, Slezak J, Varro A

SESSION: ADVANCES IN CARDIAC DYSFUNCTION & HEART FAILURE RESEARCH

Chairs: Dhalla NS, Ostadal B, Slezak J

9.30-9.50

**MECHANISMS AND SIGNIFICANCE OF PROTEASE ACTIVATION IN CARDIAC
DYSFUNCTION DUE TO ISCHEMIA-REPERFUSION INJURY**

Dhalla NS

*Institute of Cardiovascular Sciences, St. Boniface Hospital Research, Faculty of Medicine,
University of Manitoba, Winnipeg, Canada*

9.50-10.10

DEVELOPMENTAL ASPECTS OF CARDIAC ADAPTATION TO CHRONIC HYPOXIA

Ostadal B¹, Ostadalova I¹, Charvatova Z², Kolar F¹

*¹Institute of Physiology, Czech Academy of Sciences, Prague, ²Department of
Pathophysiology, 2nd Faculty of Medicine, Charles University, Prague, Czech Republic*

10.10-10.30

**MYOCARDIAL CHANGES AFTER MEDIASTINAL IRRADIATION IN RATS: MOLECULAR
MECHANISMS AND POTENTIAL TARGETS TO MINIMIZE THE ADVERSE EFFECT**

Slezak J¹, Barančík M¹, Ravingerová T¹, Tribulova N¹, Kura B¹, Lazou A², Kukreja RC³,
Yin C³, Viczenczova C¹, Okruhlicová L¹, Bagchi AK⁴, Bernardes N⁴, Singal PK⁴

*¹Institute for Heart Research, SAS and Centre of Excellence of SAS NOREG, Bratislava,
Slovakia, ²School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece,
³Division of Cardiology, Pauley Heart Center, Virginia Commonwealth University,
Richmond, USA, ⁴St. Boniface Hospital Research Centre, Winnipeg, Canada*

10.30-10.50

MYOCARDIAL HIBERNATION: PATHOPHYSIOLOGY AND CLINICAL IMPLICATIONS

Ambrosio G

Division of Cardiology, University of Perugia School of Medicine, Perugia, Italy

10.50-11.10 Coffee Break/Pause

Chairs: Ambrosio G, Gallyas FJr, Ravingerova T

11.10-11.30

REDUCED RIGHT VENTRICULAR CARDIOMYOCYTE PASSIVE FORCE DUE TO PHOSPHORYLATION CHANGES IN MYOSIN BINDING PROTEIN C AND TITIN IN A RAT MODEL OF POST-ISCHEMIC HEART FAILURE

Kovacs A¹, Kalasz J¹, Pasztor ET¹, Sanganalmath SK², Dhalla NS², Toth A¹, Papp Z¹, Barta J¹

¹Division of Clinical Physiology, Institute of Cardiology, Faculty of Medicine, University of Debrecen, Debrecen, Hungary, ²Institute of Cardiovascular Sciences, St. Boniface General Hospital Research Centre, Winnipeg, Canada

11.30-11.50

EFFECT OF PROLONGED INTERMITTENT RESTRAINT STRESS ON MOLECULAR SIGNALIZATION IN HEART TISSUE

Bartekova M^{1,3}, Barancik M¹, Pokusa M², Babic S², Radosinska J^{1,3}, Jezova D²

¹Institute for Heart Research, ²Institute of Experimental Endocrinology, Slovak Academy of Sciences, ³Institute of Physiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia

11.50-12.10

HOW TO MEND A BROKEN HEART: THE EPIGENETIC APPROACH

Lionetti V

Institute of Life Sciences, Scuola Superiore, Sant'Anna, Pisa, Italy

12.10-12.30

NOVEL "CONDITIONING" APPROACHES TO REPAIR THE BROKEN HEART: FROM BENCH TO A PATIENT

Ravingerova T¹, Ledvenyiova Farkasova V¹, Griecsova L¹, Carnicka S¹, Murarikova M¹, Neckar J², Kolar F²

¹Institute for Heart Research, Slovak Academy of Sciences and Centre of Excellence of SAS NOREG, Bratislava, Slovakia, ²Institute of Physiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic

12.30-12.50

EXTRANUCLEAR EFFECTS OF PARP ACTIVATION: RELEVANCE IN CARDIOVASCULAR DISEASES

Hocsak E, Kalman N, Racz B, Sumegi B, Gallyas FJr

Departments of Biochemistry and Medical Chemistry, University of Pecs, Medical School, Pecs, Hungary

12.50-13.00 Joint photo (Foyer)

13.00-14.30 Pause/Lunch

SESSION: SIR MAGDI YACOUB SYMPOSIUM: ADVANCES IN ARRHYTHMIA RESEARCH

Chairs: Baczko I, Kjeldsen K, Varro A

14.30-14.50

POTASSIUM AS TRIGGER OF SUDDEN CARDIAC DEATH

Kjeldsen K

Copenhagen University Hospital (Holbaek Hospital) and Aalborg University, Copenhagen/Aalborg, Denmark

14.50-15.10

EFFECTS OF ATRIAL SELECTIVE ION CHANNEL MODULATORS ON CHRONIC ATRIAL TACHYPACING INDUCED ATRIAL FIBRILLATION IN DOGS

Baczko I¹, Juhasz V¹, Kohajda Zs², Liknes D⁴, Hammin KC⁴, Jost N^{1,2}, Husti Z¹, Hornyik T¹, Varga R¹, Papp R³, Saghy L³, Dyck JRB⁴, Light PE⁴, Varro A^{1,2}

¹*Department of Pharmacology and Pharmacotherapy, University of Szeged, Szeged,*

²*MTA-SZTE Research Group of Cardiovascular Pharmacology, Hungarian Academy of*

Sciences, Szeged, ³2nd Department of Internal Medicine and Cardiology Centre, Faculty of

Medicine, University of Szeged, Szeged, Hungary, ⁴Department of Pharmacology,

Cardiovascular Research Centre and the Alberta Diabetes Institute, Li Ka Shing Research Centre, University of Alberta, Edmonton, Canada

15.10-15.30

NEW APPROACHES TO THE MANAGEMENT OF CVD MODULATION OF THE TRANSDUCER FUNCTION OF Na⁺,K⁺-ATPase: NEW MECHANISM OF HEART REMODELING

Lopatina EV

Federal North-West Medical Research Centre, Pavlov Institute of Physiology of Russian Academy of Sciences, St. Petersburg, Russia

15.30-15.50

ELECTROPHYSIOLOGICAL BASIS OF METABOLIC SYNDROME-INDUCED
CARDIOVASCULAR DISORDERS

Turan B

Department of Biophysics, Ankara University, Faculty of Medicine, Ankara, Turkey

15.50-16.10

ANTIARRHYTHMIC EFFECT OF DESETHYLAMIODARONE IN EXPERIMENTAL
ARRHYTHMIA MODELS

Varro A

*University of Szeged, Department of Pharmacology and Pharmacotherapy, Szeged,
Hungary*

16.10-16.30

PROTECTION WITH INORGANIC NITRITES AGAINST THE ISCHAEMIA AND
REPERFUSION-INDUCED VENTRICULAR ARRHYTHMIAS

Vegh A, Kovacs M, Juhasz L, Gonczi M, Haludka VD

*Department of Pharmacology and Pharmacotherapy, University of Szeged, Szeged,
Hungary*

16.30-16.50 Coffee Break/Pause

SESSION: ADVANCES IN NEUROCARDIOVASCULAR RESEARCH

Chairs: Kinscherf R, Kulchitsky V, Turan B

16.50-17.10

OBSTRUCTIVE SLEEP APNEA SYNDROME (OSAS): ALTERATIONS IN SKELETAL
MUSCLE VASCULARIZATION AND ANGIOGENIC FACTORS IN MICE AND MEN

Hildebrandt W¹, Schwarzbach H¹, Dill L¹, Pawlak D¹, Pardun A¹, Hannemann L¹,
Bogs B¹, Hildebrandt O², Koehler U², Kraut S³, Weissmann N³, Kinscherf R¹

¹*Department of Medical Cell Biology, Institute of Anatomy and Cell Biology, University of
Marburg, Marburg, ²Department of Sleep Medicine, Division of Pneumology, Internal
Medicine, University Clinics of Giessen and Marburg UKGM, Marburg, Germany,*

³*Excellence Cluster Cardio-Pulmonary System (ECCPS), Universities of Giessen and Marburg
Lung Center (UGMLC), Member of the DZL, Justus-Liebig-University, Giessen, Germany*

17.10-17.30

THE VENTROLATERAL MEDULLA AND HEART RATE VARIABILITY UNDER HYPERCAPNIA

Semenik TA¹, Tkachenko BI², Kaliadzich ZhV³, Pashkevich SG¹, Kulchitsky VA^{1,2}

¹*Institute of Physiology, National Academy of Sciences, Minsk, Belarus*, ²*Institute of Experimental Medicine, Russian Academy of Medical Sciences, St. Petersburg, Russia*, ³*Republican Scientific and Practical Centre of Otorhinolaryngology, Minsk, Belarus*

17.30-17.50

BRAIN AND HEART IN HYPERHOMOCYSTEINEMIA INDUCED BY METHIONINE NUTRITIONAL OVERLOAD

Hrnčić D¹, Rašić Marković A¹, Puškaš N², Stojković T³, Velimirović M³, Čolović M⁴, Krstić D⁴, Šušić V⁵, Petronijević N³, Djurić D¹, Stanojlović O¹

¹*Institute of Medical Physiology "Richard Burian", Faculty of Medicine, University of Belgrade, Belgrade*, ²*Institute of Histology and Embryology "Aleksandar Dj. Kostić", Faculty of Medicine, University of Belgrade, Belgrade*, ³*Institute of Clinical and Medical Biochemistry, Faculty of Medicine, University of Belgrade, Belgrade*, ⁴*Department of Medical Chemistry, Faculty of Medicine, University of Belgrade, Belgrade*, ⁵*Serbian Academy of Sciences and Arts, Belgrade, Serbia*

17.50-18.10

CHANGES OF NADPH OXIDASE AND MATRIX METALLOPROTEINASE 9 EXPRESSION ARE PREVENTED BY PRETREATMENT OF VITAMIN D3 AND DEHYDROASCORBIC ACID IN ANIMAL MODEL OF STROKE

Velimirović M¹, Jevtić G¹, Stojković T¹, Nikolić T¹, Jovanović M², Selaković V², Dragutinović V³, Jelenković A⁴, Petronijević N¹

¹*Institute of Medical and Clinical Biochemistry, Faculty of Medicine, University of Belgrade, Belgrade*, ²*Military Medical Academy, University of Defense, Belgrade*, ³*Institute of Medical Chemistry, Faculty of Medicine, University of Belgrade*, ⁴*Institute for Biological Research "Siniša Stanković", University of Belgrade, Belgrade, Serbia*

18.10-19.30 POSTER SESSIONS WITH WINE AND CHEESE (FOYER)

16.00-19.00 CME SESSIONS IN SERBIAN

20.00 COUNCIL MEETING OF THE EUROPEAN SECTION OF IACS
(DANUBE ROOM)

SESSION: ADVANCES IN CARDIOVASCULAR BIOLOGY & CARDIOVASCULAR GENOMICS

Chairs: Agrawal DK, Ferdinandy P, Tyagi SC

9.00-9.20

DIFFERENTIATION OF BONE MARROW STROMAL CELLS INTO ENDOTHELIAL CELLS AND STEM CELL THERAPY IN CORONARY ARTERY DISEASE

Agrawal DK

Center for Clinical and Translational Science, Creighton University School of Medicine, Omaha, USA

9.20-9.40

ROLE OF H₂S IN CARDIOVASCULAR REMODELING

Tyagi SC

University of Louisville School of Medicine, Louisville, USA

9.40-10.00

HYDROGEN SULFIDE AS A MEDIATOR OF NEW LIPOLYTIC PATHWAY IN THE ADIPOSE TISSUE

Beltowski J

Department of Pathophysiology, Medical University, Lublin, Poland

10.00-10.20

FUNCTIONAL GENOMICS OF CARDIOPROTECTION: ROLE OF CO-MORBIDITIES

Ferdinandy P^{1,2,3}

¹*Department of Pharmacology and Pharmacotherapy, Semmelweis University, Budapest,*

²*Cardiovascular Research Group, Department of Biochemistry, University of Szeged,*

³*Pharmahungary Group, Szeged, Hungary*

10.20-10.40

MICROARRAY IN SERBIA TODAY: IMPLEMENTATION IN CARDIOVASCULAR DISEASES

Djurić T, Živković M, Jovanović I, Stanković A, Alavantić D

“Vinča” Institute of Nuclear Sciences, Laboratory for Radiobiology and Molecular Genetics, University of Belgrade, Belgrade, Serbia

10.40-11.00 Coffee Break/Pause

Chairs: Jakovljević V, Labudović Borović M, Lazou A

11.00-11.20

THE EFFECTS OF ANABOLIC STEROIDS ON CARDIOVASCULAR SYSTEM: FOCUS ON OXIDATIVE STRESS

Jakovljević V¹, Živković V¹, Srejić I¹, Jeremić N², Nikolić T², Jevdjević M³, Djurić D⁴

¹*Department of Physiology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac,* ²*Department of Pharmacy, Faculty of Medical Sciences, University of Kragujevac, Kragujevac,* ³*College of Health Studies, Čuprija,* ⁴*Institute of Medical Physiology "Richard Burian", Faculty of Medicine, University of Belgrade, Belgrade, Serbia*

11.20-11.40

PROTEIN KINASE SIGNALING IN CARDIOPROTECTION: FOCUS ON MSK1

Lazou A

School of Biology, Aristotle University of Thessaloniki, Greece

11.40-12.00

CORONARY THROMBI ASPIRATED FROM INFARCT-RELATED ARTERY IN STEMI PATIENTS: AN ANGIOGENESIS MODEL

Labudović Borović M¹, Kostić J¹, Orlić D²

¹*Institute of Histology and Embryology "Aleksandar Dj. Kostić", Faculty of Medicine, University of Belgrade,* ²*Cardiology Clinic, Clinical Center of Serbia, Belgrade, Serbia*

12.00-12.20

ANGIOTENSIN 2 TYPE 1 RECEPTOR BLOCKADE DIFFERENT AFFECTS POSTISHEMIC KIDNEY INJURIES IN NORMOTENSIVE AND HYPERTENSIVE RATS

Miloradović Z¹, Ivanov M¹, Karanović D¹, Vajić UJ¹, Marković Lipkovski J², Mihailović Stanojević N¹, Grujić Milanović J¹, Jovović Dj¹

¹*Institute for Medical Research, University of Belgrade,* ²*Faculty of Medicine, University of Belgrade, Institute of Pathology, Belgrade, Serbia*

12.20-12.40

STREPTOZOTOCIN-INDUCED DIABETIC CARDIOMYOPATHY: FROM FUNCTION TO CORONARY AUTOREGULATION

Živković V¹, Srejić I¹, Jeremić N², Ristić P³, Djurić D⁴, Jakovljević V¹

¹*Department of Physiology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac,* ²*Department of Pharmacy, Faculty of Medical Sciences, University of Kragujevac, Kragujevac,* ³*Clinic for Endocrinology, Military Medical Academy, University of Defense, Belgrade,* ⁴*Institute of Medical Physiology "Richard Burian", Faculty of Medicine, University of Belgrade, Belgrade, Serbia*

12.40-13.00

MITOCHONDRIA AS KEY MEDIATORS OF ANESTHETICS PRECONDITIONING

Stančić A¹, Jović M², Korać B¹

¹Department of Physiology, Institute for Biological Research "Siniša Stanković", University of Belgrade, ²Dedinje Cardiovascular Institute, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

13.00-14.30 Pause/Lunch

**SESSION: GEORGE JACKOWSKI SYMPOSIUM: NOVEL APPROACHES IN
CARDIOVASCULAR THERAPY**

Chairs: Muntean D, Papp Z, Pierce GN

14.30-14.50

ROLE OF NUCLEAR PROTEIN IMPORT IN VASCULAR SMOOTH MUSCLE CELL
PROLIFERATION: TARGET FOR NOVEL THERAPIES

Pierce GN, Chahine MN, Dibrov E, Hlavačková M, Deniset JF, Hedley TE

Institute of Cardiovascular Sciences, Albrechtsen Research Centre, St. Boniface Hospital and Department of Physiology and Pathophysiology, Faculty of Medicine, University of Manitoba, Winnipeg, Canada

14.50-15.10

SARCOMERE ACTIVE DRUGS IN THE THERAPY OF ACUTE HEART FAILURE

Papp Z

Institute of Cardiology, Division of Clinical Physiology, Research Center for Molecular Medicine, Faculty of Medicine, University of Debrecen, Debrecen, Hungary

15.10-15.30

MITOCHONDRIAL EFFECTS OF LIPID-LOWERING DRUGS

Muntean D

¹Department of Pathophysiology, ²Center for Translational Research and Systems Medicine, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania

15.30-15.50

A META-ANALYSIS OF 15 YEARS OF JAPANESE PUBLISHED STUDIES ON ARTIFICIAL
CARBON DIOXIDE FOOT BATH FOR WOUND THERAPY

Hasebe H¹, Kumamoto H², Hawkins D³

¹Mitsubishi Rayon America Inc., New York, USA, ²Mitsubishi Chemical Holdings, Tokyo, Japan, ³School of Statistics, University of Minnesota, Minneapolis, USA

15.50-16.10 Coffee Break/Pause

Chairs: Pechanova O, Prostran M, Radenković M

16.10-16.30

ENDOTHELIAL DYSFUNCTION – PHARMACOLOGICAL CHALLENGES

Radenković M

Department of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

16.30-16.50

NOVEL APPROACHES TO THE PATHOGENESIS AND THE TREATMENT OF RENAL ISCHEMIA-REPERFUSION INJURY: FROM MOLECULAR ASPECTS TO CLINICAL APPLICABILITY

Prostran M, Medić B

Department of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

16.50-17.10

EFFECTS OF NANOPARTICLE-LOADED ANTIHYPERTENSIVE DRUGS ON THE CARDIOVASCULAR SYSTEM

Pechanova O

Institute of Normal and Pathological Physiology and Centre of Excellence for Nitric Oxide Research, Slovak Academy of Sciences, Bratislava, Slovakia

17.10-17.30

DIETARY FLAXSEED LOWERS CENTRAL AORTIC BLOOD PRESSURE POTENTIALLY THROUGH AN ALTERATION IN PLASMA OXYLIPINS THAT ELEVATE THE ODDS OF HYPERTENSION

Caligiuri S^{1,3}, Rodriguez-Leyva D^{1,2}, Aukema H^{1,4}, Ravandi A^{2,3,5}, Guzman R⁶, Pierce G^{1,3}

¹Canadian Centre for Agri-Food Research in Health and Medicine (CCARM), ²The Institute of Cardiovascular Sciences (ICS), St. Boniface Hospital Research Centre, ³The Departments of Physiology and Pathophysiology, ⁴Human Nutritional Sciences, ⁵Internal Medicine and ⁶Surgery, University of Manitoba, Winnipeg, Canada

17.30-17.50

EFFECTS OF FISH OIL SUPPLEMENTATION ON BIOCHEMICAL PARAMETERS, LIPID PROFILES AND OXIDATIVE STRESS IN EXPERIMENTAL MODEL OF AGING AND IN DM2 PATIENTS WITH CVD

Popović T¹, Borozan S², Rašić Milutinović Z³, Debeljak Martačić J¹, Arsić A¹, De Luka S⁴, Glibetić M¹

¹Center of Excellence in Nutrition and Metabolism, Institute for Medical Research, University of Belgrade, ²Faculty of Veterinary Medicine, University of Belgrade, ³Department of Endocrinology, University Clinical Center "Zemun", ⁴Institute for Pathological Physiology, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

17.50-18.10

RESISTANCE TO ANTIPLATELET AGENTS

Todorović Z¹, Djukanović N², Protić D¹, Mugoša S³, Obradović S⁴, Ostojić M¹

¹Faculty of Medicine, University of Belgrade, Belgrade, ²High Medical School "Milutin Milanković", Belgrade, Serbia, ³Montenegrin Agency For Drugs and Medicinal Devices, Podgorica, Montenegro, ⁴Military Medical Academy, University of Defense, Belgrade, Serbia

16.00-19.00 CME SESSIONS IN SERBIAN

20.00 DINNER IN SKADARLIJA BOHEMIAN QUARTER

Saturday, October 10th 2015 (Hall Baltic & Aegean)

**SESSION: ADVANCES IN CARDIOVASCULAR SURGERY & CARDIOVASCULAR
MONITORING: WHEN BASIC MEETS CLINICAL RESEARCH**

Chairs: Jonjev Ž, Jović M, Trifunović Z

9.00-9.20

**INTRAMYOCARDIAL BONE MARROW MONONUCLEAR CELLS IMPLANTATION
CONCOMITANT TO CABG SURGERY IN ISCHEMIC CARDIOMYOPATHY**

Trifunović Z, Obradović S, Balint B

Military Medical Academy, University of Defense, Belgrade, Serbia

9.20-9.40

**CORONARY ARTERY BYPASS GRAFTING VS. PERCUTANEOUS CORONARY
INTERVENTION IN SINGLE-VESSEL LAD DISEASE**

Jonjev Ž, Kostovski S, Golubović M, Rosić M

*Clinic for Cardiovascular Surgery, Institute for Cardiovascular Diseases of Vojvodina,
Sremska Kamenica, Serbia*

9.40-10.00

**CONCOMITANT MITRAL REPAIR SURGERY AND CORONARY ARTERY BYPASS
GRAFTING IN PATIENTS WITH EXTREMELY IMPAIRED LEFT VENTRICULAR
FUNCTION**

Stojanović I, Milojević M

*Institut for Cardiovascular Diseases "Dedinje", Faculty of Medicine, University of Belgrade,
Belgrade, Serbia*

10.00-10.20

**CLINICAL, PROCEDURAL AND METABOLIC INFLAMMATORY PREDICTORS OF
CORONARY MICROCIRCULATION RECOVERY AFTER PRIMARY PERCUTANEOUS
CORONARY INTERVENTION**

Trifunović Zamaklar D^{1,2}

*¹Clinic for Cardiology, University Clinical Center of Serbia, ²Faculty of Medicine, University
of Belgrade, Belgrade, Serbia*

10.20-10.40

THE EFFECTS OF NICORANDIL ON MICROVASCULAR FUNCTION IN PATIENTS WITH STEMI UNDERGOING PRIMARY PCI

Kostić J¹, Dobrić M¹, Djordjević Dikić A¹, Tešić M¹, Stojković S¹, Stepanović J¹, Nedeljković M¹, Trifunović Z², Ostojić M¹, Beleslin B¹

¹*Clinic for Cardiology, University Clinical Center of Serbia, Belgrade,* ²*Military Medical Academy, University of Defense, Belgrade, Serbia*

10.40-11.00 Coffee Break/Pause

Chairs: Dekleva M, Ostadal P, Stevanović P

11.00-11.20

ASSESSMENT OF MYOCARDIAL MECHANICS DURING REMODELING PROCESS AFTER FIRST MYOCARDIAL INFARCTION

Dekleva M¹, Marković-Nikolić N¹, Živković M², Stanković A², Boljević D¹, Milanov M¹, Korać N¹, Cvijanović D¹, Arandjelović A¹

¹*Department of Cardiology, Faculty of Medicine, University of Belgrade,* ²*University Clinical Hospital "Zvezdara", Belgrade, Serbia*

11.20-11.40

EXTRACORPOREAL LIFE SUPPORT IN CARDIOGENIC SHOCK

Ostadal P

Cardiovascular Center, Na Homolce Hospital, Prague, Czech Republic

11.40-12.00

HEMODYNAMIC MONITORING – TRANSPULMONARY THERMODILUTION – PCCO

Jović M^{1,2}, Unić Stojanović D^{1,2}, Miljković I¹, Čikić O¹, Laušević Vuk Lj¹

¹*Clinical Department of Cardiovascular Anesthesia and Intensive Care, "Dedinje" Cardiovascular Institute, Belgrade,* ²*Faculty of Medicine, University of Belgrade, Belgrade, Serbia*

12.00-12.20

NON-INVASIVE HEMODYNAMIC MONITORING IN THE PERIOPERATIVE PERIOD: WHEN BASIC MEETS CLINICAL PRACTICE

Stevanović P, Vasilijević N, Abazović A, Stevanović A, Djurić M, Pejović J, Janićijević A, Oketić K

University Clinical Hospital Center "Dr. Dragiša Mišović - Dedinje", Faculty of Medicine, University of Belgrade, Belgrade, Serbia

12.20-12.40 Coffee Break/Pause

SESSION: ADVANCES IN CARDIOVASCULAR RISK MANAGEMENT & PREVENTION & REHABILITATION

Chairs: Deljanin Ilić M, Pekmezović T, Tasić N

12.40-13.00

NOVEL FACTORS IN DEVELOPMENT OF ATHEROSCLEROSIS PLAQUES: CLINICIANS VIEW

Tasić N¹, Tasić D¹, Jakovljević V², Djurić D³, Radak Dj¹

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²Department of Physiology, Faculty of Medical Sciences, University of Kragujevac,

Kragujevac, ³Institute of Medical Physiology "Richard Burian", Faculty of Medicine, University of Belgrade, Belgrade, Serbia

13.00-13.20

CHRONIC EXPOSURE TO INFECTIOUS AGENTS, IMMUNE-INFLAMMATORY RESPONSE AND THEIR POTENTIAL ROLE IN ACUTE CORONARY ATHEROTHROMBOSIS DEVELOPMENT

Burazor I¹, Vojdani A^{2,3}

¹Department of Cardiology, Institute for Rehabilitation, Belgrade, Serbia, ²Immunosciences Lab, INC, Los Angeles, USA, ³University of California, Los Angeles, USA

13.20-13.40

ANTIPHOSPHOLIPID SYNDROME AS THE TOTAL CARDIOVASCULAR RISK EVALUATION AND MANAGEMENT

Stojanovich Lj, Djoković A, Zdravković M

Clinic for Internal Medicine, University Medical Center "Bežanijska Kosa", Belgrade, Serbia

13.40-14.00

CHALLENGES IN STROKE EPIDEMIOLOGY AND PREVENTION

Pekmezović T

Institute of Epidemiology, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

14.00-14.20

UP TO DATE PREVENTION OF YOUNG ADULT CARDIOVASCULAR ILLNESSES IN CHILDHOOD AND ADOLESCENT AGES

Szamosi T

2nd Pediatric Department, Faculty of Medicine, Semmelweis University, Budapest, Hungary

14.20-14.40

MUSIC AND CARDIOVASCULAR HEALTH: IMPLICATIONS IN CARDIOVASCULAR REHABILITATION

Deljanin Ilić M

Institute for Treatment and Rehabilitation "Niška Banja", Faculty of Medicine, University of Niš, Niš, Serbia

14.40-15.00 Pause

Chairs: Dimitrijević Srećković V, Ristić Medić D, Zdravković M

15.00-15.20

ARE THE SATURATED FATTY ACIDS A RISK FACTORS FOR CARDIOMETABOLIC SYNDROME?

Ristić Medić D

Centre of Research Excellence in Nutrition and Metabolism, Institute for Medical Research, University of Belgrade, Belgrade, Serbia

15.20-15.40

ABDOMINAL OBESITY, RISK OF DEPRESSION AND EARLY ATHEROSCLEROSIS IN ADOLESCENTS AND YOUTH - FAVOURABLE EFFECTS OF MEDITERRANEAN DIET

Dimitrijević Srećković V

Clinic for Endocrinology, Diabetes and Metabolism Disorders, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

15.40-16.00

HIPERTENSION AND PHYSICAL ACTIVITY – PROGNOSTIC AND THERAPEUTIC ISSUES

Zdravković M

University Hospital Medical Center "Bežanijska Kosa", Faculty of Medicine, University of Belgrade, Belgrade, Serbia

16.00-16.20

EXERCISE CAPACITY IS NOT IMPAIRED AFTER ACUTE ALCOHOL INGESTION

Popović D^{1,2}, Damjanović S³, Plećaš Solarović B², Pešić V², Labudović Borović M³, Puškaš N³, Djordjević T², Vidojević D², Orović M², Ristić A^{1,3}, Agostoni P⁴

¹*Clinic for Cardiology, Clinical Center of Serbia, Belgrade,* ²*Faculty of Pharmacy, University of Belgrade, Belgrade,* ³*Faculty of Medicine, University of Belgrade, Belgrade, Serbia,*

⁴*Cardiology Center Monzino IRCCS, University of Milan, Milan, Italy*

16.30-19.00 CME SESSIONS IN SERBIAN

13.00-19.00 EXCURSION TO SERBIA COUNTRYSIDE WITH LUNCH AND WINE OR
BOAT TOUR

20.00 GALA DINNER & IACS AWARDS SESSION & FAREWELL REMARKS
(HOTEL PARK)

POSTER SESSION

GUY VASSORT POSTER AWARD SESSION

Chairs: Beltowski J, Barta J, Jost N (P1-P22)

ELIZABETH ROTH POSTER AWARD SESSION

Chairs: Hildebrandt W, Lionetti V, Lopatina E (P23-P46)

**P1 HYPOTENSIVE AND CARDIODEPRESSANT ACTIVITIES OF THE BLACK CURRANT
VARIETY BEN SAREK JUICE (*Ribes nigrum*)**

Branković S¹, Miladinović B², Radenković M¹, Gočmanac Ignjatović M¹, Kostić M²,
Šavikin K³, Kitić D²

*¹Department of Physiology, Faculty of Medicine, University of Niš, Niš, ²Department of
Pharmacy, Faculty of Medicine, University of Niš, Niš, ³Institute for Medicinal Plants
Research "Dr Josif Pančić", Belgrade, Serbia*

**P2 PARTICULAR PLASMA OXYLIPINS INCREASED OR DECREASED THE ODDS OF
CARDIOVASCULAR AND CEREBROVASCULAR EVENTS IN PATIENTS WITH
PERIPHERAL ARTERIAL DISEASE**

Caligiuri S¹⁻³, Aukema H^{1,5}, Ravandi A²⁻⁴, Guzman R⁴, Pierce G¹⁻³

*¹Canadian Centre for Agri-Food Research in Health and Medicine (CCARM), ²The Institute
of Cardiovascular Sciences (ICS), St. Boniface Hospital Research Centre, ³The Departments
of Physiology, ⁴Internal Medicine, and ⁵Human Nutritional Sciences, University of
Manitoba, Winnipeg, Canada*

**P3 A SYSTEMATIC ANALYSIS OF DIETARY, NATURAL HEALTH PRODUCTS, LIFESTYLE,
AND PHARMACEUTICAL THERAPIES FOR HYPERTENSION MANAGEMENT**

Caligiuri S¹⁻³, Pierce G¹⁻³

*¹Canadian Centre for Agri-Food Research in Health and Medicine (CCARM), ²The Institute
of Cardiovascular Sciences (ICS), St. Boniface Hospital Research Centre, ³The Department
of Physiology and Pathophysiology, University of Manitoba, Winnipeg, Canada*

P4 ASSESSMENT OF INTRARENAL VASCULARIZATION IN HYPERTENSIVE NEPHROSCLEROSIS: CORRELATIONS WITH RENAL FUNCTION AND ENDOTHELIAL DYSFUNCTION

Caraba A¹, Romosan I¹, Noveanu L^{2,3}, Muntean D^{2,3}

¹Department of Internal Medicine, ²Department of Pathophysiology, ³Center for Translational Research and Systems Medicine, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania

P5 ANTIHYPERTENSIVE EFFECT OF POLYPHENOL RICH CHOKEBERRY EXTRACT IN SPONTANEOUSLY HYPERTENSIVE RATS

Ćujić N¹, Grujić Milanović J², Šavikin K¹, Miloradović Z², Jovović Dj², Ivanov M², Vajić UJ², Karanović D², Mihailović Stanojević N²

¹Institute for Medicinal Plants Research, "Dr Josif Pančić", Belgrade, ²Department of Cardiovascular Physiology, Institute for Medical Research, University of Belgrade, Belgrade, Serbia

P6 ANTIOXIDATIVE EFFECT OF POLYPHENOL RICH CHOKEBERRY EXTRACT ON LIPID PEROXIDATION IN SPONTANEOUSLY HYPERTENSIVE RATS

Ćujić N¹, Grujić Milanović J², Šavikin K¹, Miloradović Z², Jovović Dj², Ivanov M², Vajić UJ², Karanović D², Mihailović Stanojević N²

¹Institute for Medicinal Plants Research, "Dr Josif Pančić", ²Department of Cardiovascular Physiology, Institute for Medical Research, University of Belgrade, Serbia

P7 DELAYED EFFECTS OF SODIUM NITRITE ON MITOCHONDIAL FUNCTION AND MORPHOLOGY IN A CANINE MODEL OF ISCHAEMIA AND REPERFUSION

Demeter Haludka V¹, Kovacs M¹, Petrus A², Patai R³, Siklos L³, Muntean D², Vegh A¹

¹Department of Pharmacology and Pharmacotherapy, University of Szeged, Szeged, ²Department of Pathophysiology, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania, ³Neuronal Plasticity Research Group, Institute of Biophysics, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

P8 OVERFREQUENT TRAINING DOES NOT INDUCE OXIDATIVE STRESS AND INFLAMMATION IN HEART AND BLOOD OF RATS

Djordjević D¹, Jakovljević V¹, Barudzić N², Živković V¹, Srejić I¹, Stanojević D³

¹Department of Physiology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac, ²Department of Pharmacy, Faculty of Medical Sciences, University of Kragujevac, Kragujevac, ³Special Hospital "Mercur", Vrnjačka Banja, Serbia

P9 ASSESSMENT OF MONOAMINE OXIDASES CONTRIBUTION TO THE CARDIOVASCULAR DYSFUNCTION IN HUMAN DIABETIC HEARTS

Duicu OM^{1,7}, Lighezan R^{2,7}, Sturza A^{1,7}, Balica R³, Vaduva A⁴, Feier H⁵, Gaspar M⁵, Borza C^{1,7}, Ionac A⁶, Mornos C⁶, Muntean DM^{1,7}

¹Department of Pathophysiology, ²Department of Parasitology, ³Department of Histology, ⁴Department of Morphopathology, ⁵Department of Cardiovascular Surgery, ⁶Department of Cardiology – 2nd Cardiology Clinic, ⁷Center for Translational Research and Systems Medicine, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania

P10 BENEFITS OF CARDIAC RESYNCHRONIZATION THERAPY IN PATIENTS WITH HEART FAILURE

Enache B^{1,2}, Sosdean R^{1,2}, Macarie RI², Marca R², Stefea AM², Pescariu S^{1,2}

¹University of Medicine and Pharmacy "Victor Babes", Timisoara, ²Timisoara Institute of Cardiovascular Diseases, Timisoara, Romania

P11 COMPARISON OF THE EFFECT OF SEVERAL NEWLY SYNTHETIZED SODIUM-CALCIUM EXCHANGER (NCX) BLOCKERS IN MAMMALIAN HEARTS

Geramipoor A¹, Kohajda Z², Oravec K¹, Márton Z¹, Nagy N², Acasai K², Gruber A¹, Szepesi J¹, Kormos A¹, Toth A^{1,2}, Prorok J¹, Virag L¹, Kiss L³, Fulop F³, Levijoki J⁴, Pollesello P⁴, Koskelainen T⁴, Otsomaa L⁴, Varro A^{1,2}, Jost N^{1,2}

¹Department of Pharmacology and Pharmacotherapy, Faculty of Medicine, University of Szeged, ²MTA-SZTE Research Group of Cardiovascular Pharmacology, Hungarian Academy of Sciences, ³Institute of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Szeged, Hungary, ⁴Orion Pharma, Espoo, Finland

P12 ROLE OF minK-RELATED PEPTIDES IN THE REGULATION OF I_{Ks} CHANNELS

Hartai T, Ordog B, Virag L, Varro A

Department of Pharmacology and Pharmacotherapy, University of Szeged, Szeged, Hungary

P13 CORONARY HEART DISEASE AND STROKE MORTALITY IN MIDDLE AGED IN SERBIA: JOINPOINT ANALYSIS

Ilić I, Ilić M, Jakovljević V

Faculty of Medical Sciences, University of Kragujevac, Kragujevac, Serbia

P14 IMPACT OF ANEMIA ON ONE-YEAR SURVIVAL IN PATIENTS WITH ISCHEMIC STROKE

Ilić M, Jakovljević V, Ilić I, Todorović Ž, Jovanović M, Tončev G

Faculty of Medical Sciences, University of Kragujevac, Kragujevac, Serbia

P15 VASCULAR ACCESS THROMBOSIS IN CHRONIC HEMODIALYSIS PATIENTS: INFLUENCE OF MATRIX METALLOPROTEINASE 3 (MMP3), ANGIOTENSIN CONVERTING ENZYME (ACE) AND ENDOTHELIAL NITRIC OXIDE SYNTHASE (eNOS) GENE POLYMORPHISM

Janković A¹, Tošić Dragović J¹, Djurić P¹, Bulatović A¹, Maslarević Radović V¹, Bajčetić S¹, Popović J¹, Dimković N^{1,2}

¹Clinical Department for Nephrology and Metabolic Disorders with Dialysis, "Zvezdara" University Medical Center, Belgrade, ²Faculty of Medicine, University of Belgrade, Belgrade, Serbia

P16 ASSESSMENT OF OXIDATIVE STATUS IN PATIENTS WITH ACUTE KIDNEY INJURY: A PILOT STUDY

Jeremić N¹, Pešić S², Stojimirović B³, Živković V⁴, Djurić D⁵, Jakovljević V⁴

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P17 CORRELATION OF BLOOD PRESSURE AND SODIUM INTAKE AMONG STUDENTS FROM NOVI SAD, SERBIA

Jovičić Bata J¹, Grujičić M², Novaković B¹, Grabež M³

¹Department of Pharmacy, Faculty of Medicine, University of Novi Sad, Novi Sad, ²Department of General Education Subjects, Faculty of Medicine, University of Novi Sad, Novi Sad, Serbia, ³Faculty of Medicine, University of Banja Luka, Banja Luka, Bosnia and Herzegovina

**P18 KNOWLEDGE AND ATTITUDES OF STUDENTS TOWARDS SALT AS A
CARDIOVASCULAR RISK FACTOR**

Jovičić Bata J¹, Grujičić M², Grabež M³, Novaković B¹

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²Department of General Education Subjects, Faculty of Medicine, University of Novi Sad,

Novi Sad, Serbia, ³Faculty of Medicine, University of Banja Luka, Banja Luka, Bosnia and Herzegovina

P19 ADDING SALT AT THE TABLE: THE CASE OF STUDENTS FROM NOVI SAD, SERBIA

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Novi Sad, Serbia, ³Faculty of Medicine, University of Banja Luka, Banja Luka, Bosnia and Herzegovina

**P20 LOSARTAN AFFECTS ANTIOXIDANT ENZYMES ACTIVITY AND EXPRESSION IN
SPONTANEOUSLY HYPERTENSIVE RATS WITH EARLY COURSE OF PROTEINURIC
NEPHROPATHY**

Karanović D, Grujić Milanović J, Miloradović Z, Ivanov M, Vajić UJ, Jovović Dj,
Mihailović Stanojević N

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**P21 EFFECTS OF IRRADIATION ON MIRNAs AND TNF-ALPHA LEVELS IN
MYOCARDIUM OF TREATED RATS**

Kura B¹, Kukreja RC², Yin C², Bagchi AK³, Bernardes N³, Singal PK³, Slezak J¹

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*Commonwealth University, Richmond, USA, ³St. Boniface Hospital Research Center,
Institute of Cardiovascular Sciences, University of Manitoba, Winnipeg, Canada*

**P22 INHIBITION OF MAST CELLS DEGRANULATION BY DISODIUM
CROMOGLYCATE DOES NOT AFFECT MCP-1 LEVELS IN RATS EXPOSED TO
HYPOXIA FOR FOUR DAYS**

Maxova H¹, Charvatova Z¹, Vytašek R¹, Hampl V²

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Charles University, Prague, Czech Republic*

P23 THE EFFECT OF KISSPEPTINS AND ALCOHOL EXPOSURE ON PLATELET AGGREGATION OF RATS

Mezei Zs¹, Csabafi K¹, Onody R², Onodi A¹, Boczko Z¹, Stumpf Cs¹, Sas V¹, Vaczi S¹, Foldesi I², Szabo G¹

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P24 PROPERTIES OF CARDIAC Na,K-ATPase IN FEMALE RATS DURING DEVELOPMENT OF DIABETES MELLITUS TYPE 1

Mezešova L, Sekereš E, Kaločayova B, Vrbjar N

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P25 THE IMPORTANCE OF FIXED COMBINATIONS OF DRUGS IN THERAPY OF HYPERTENSION

Milijašević B, Savić Lj, Tomić Z, Sabo A, Milijašević D, Tomić N

Department of Pharmacology, Toxicology and Clinical Pharmacology, Faculty of Medicine, University of Novi Sad, Novi Sad, Serbia

P26 INFLUENCE OF FENOFIBRATE ON ISCHEMIA-REPERFUSION INDUCED ARRHYTHMIAS AND ON THE PROGRESSION OF HEART FAILURE IN RATS

Morvay N¹, Baczko I¹, Papp JGy², Varro A^{1,2}, Lepran I¹

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P27 INFLUENCE OF REMOTE ISCHEMIC PRECONDITIONING ON ISCHEMIA-REPERFUSION INJURY IN THE ISOLATED HEARTS OF DIABETIC RATS

Murarikova M, Carnicka S, Pancza D, Gablovsky I, Jasova M, Kancirova I, Ferko M, Ziegelhoffer A, Ravingerova T

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P28 CEREBRAL COLLATERAL CIRCULATION AFTER THROMBOLYTIC TREATMENT OF ACUTE ISCHEMIC STROKE IN CAROTID ARTERY DISEASE

Nikić PM, Georgijevski Brkić B, Jaramaz Dučić T, Vukićević M, Savić M

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P29 THE EFFECTS OF CHRONIC ADMINISTRATION OF NANDROLONE DECANOATE ON REDOX STATUS IN EXERCISED RATS

Nikolić T¹, Živković V², Jevdjević M³, Srejović I², Djurić DM⁴, Jeremić N¹, Djurić D¹, Bolevich S⁵, Jakovljević V²

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P30 CARDIOTOXIC EFFECTS OF SOME TRANSITION METAL COMPLEXES ON ISOLATED PERFUSED RAT HEART

Novokmet SS¹, Savić SM¹, Živković IV², Srejović MI², Djurić DM³, Jakovljević LjV²

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P31 MiRP2 RESCUES THE LQT5 PHENOTYPE

Ordog B, Hartai T, Virag L, Varro A

Department of Pharmacology and Pharmacotherapy, University of Szeged, Szeged, Hungary

P32 ANALYSIS OF PARAMETERS CHARACTERIZING QT VARIABILITY IN HYPERTROPHIC CARDIOMYOPATHY

Orosz A¹, Bacsko I¹, Nagy V², Forster T², Papp JG^{1,4}, Varro A^{1,4}, Lengyel C^{1,3}, Sepp R²

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P33 ALTERNATIONS IN FATTY ACID COMPOSITION OF BRAIN PHOSPHOLIPIDS IN MICE MODEL OF ALZHEIMER'S DISEASE

Petrović S¹, Milanović D², Brkić M², Arsić A¹, Perović M², Tešić V², Kanazir S², Glibetić M¹

¹Centre of Research Excellence in Nutrition and Metabolism, Institute for Medical Research, University of Belgrade, Belgrade, ²Institute for Biological Research "Siniša Stanković", University of Belgrade, Belgrade, Serbia

P34 FURTHER INSIGHTS INTO THE MITOCHONDRIAL EFFECTS OF SYNTHETIC BENZOPYRAN ANALOGUES

Petrus A¹, Duicu OM^{1,2}, Sturza A^{1,2}, Noveanu L^{1,2}, Kiss L³, Danila M^{1,2}, Baczko I¹, Jost N^{1,2}, Muntean DM^{1,2}

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P35 IMPROVEMENT BY SELECTIVE NCX INHIBITION OF THE DYNAMIC CONSEQUENCE OF ELECTRICALLY INDUCED VENTRICULAR FIBRILLATION IN ISOLATED RAT HEART

Prorok J¹, Oravec K¹, Kui P², Farkas AS², Toth A¹, Papp JG^{1,2}, Varro A^{1,3}, Acsai K³

¹Department of Pharmacology & Pharmacotherapy, University of Szeged, ²2nd Department of Internal Medicine and Cardiology Center, University of Szeged, ³MTA-SZTE Research Group of Cardiovascular Pharmacology, Szeged, Hungary

P36 BOTH AMIODARONE AND DESETHYL-AMIODARONE DECREASE THE INCIDENCE OF ATRIAL FIBRILLATION IN ISOLATED RABBIT HEART

Prorok J¹, Acsai K², Orvos P^{1,3}, Szentirmai V¹, Varga R¹, Hornyik T¹, Baczko I¹, Talosi L³, Toth A¹, Papp JG^{1,2}, Varro A^{1,2}

¹Department of Pharmacology & Pharmacotherapy, ²MTA-SZTE Research Group of Cardiovascular Pharmacology, Hungarian Academy of Sciences, ³Rytmion Ltd., Szeged, Hungary

P37 EFFECT OF OMEGA 3 AND FOLIC ACID ON PHOSPHOLIPIDS FATTY ACID COMPOSITION OF LIVER RATS

Ranković S¹, Popović T¹, Debeljak Martačić J¹, Petrović Oggiano G¹, Tomić M², Ignjatović Dj², Tovilović Kovačević G², Miler M², Glibetić M¹

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P38 MODULATION OF NMDA RECEPTORS BY IFENPRODILE AND MEMANTINE IN ISOLATED RAT HEART

Srejović I¹, Jakovljević V¹, Živković V¹, Jeremić N², Djurić D³

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P39 EFFECTS OF CHRONIC ADMINISTRATION OF NANDROLONE DECANOATE ON CARDIODYNAMIC AND MORPHOMETRIC PARAMETERS IN THE ISOLATED RAT HEART

Sretenović J¹, Živković V¹, Srejić I¹, Milosavljević Z², Djurić D³, Jakovljević V¹
¹Department of Physiology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac, ²Department of Histology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac, ³Institute of Medical Physiology "Richard Burian", Faculty of Medicine, University of Belgrade, Belgrade, Serbia

P40 BIPHASIC RESPONSE OF CARDIODYNAMIC ADAPTATIONS TO SWIMMING EXERCISE IN RATS

Stojić I¹, Stojanović Tošić J¹, Živković V¹, Srejić I¹, Djordjević D¹, Djurić D², Jakovljević V¹
¹Faculty of Medical Sciences, University of Kragujevac, Kragujevac, ²Institute of Medical Physiology "Richard Burian", Faculty of Medicine, University of Belgrade, Belgrade, Serbia

P41 INCREASED VASCULAR OXIDATIVE STRESS IN EXPERIMENTAL DIABETES IS SUSTAINED BY A POSITIVE FEEDBACK LOOP INVOLVING HYDROGEN PEROXIDE AND MONOAMINE OXIDASES

Sturza A^{1,2}, Duicu O^{1,2}, Vaduva A³, Privistirescu A^{1,2}, Noveanu L^{1,2}, Muntean D^{1,2}
¹Department of Pathophysiology, ²Center for Translational Research and Systems Medicine, ³Department of Morphopathology, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania

P42 INHIBITION OF MONOAMINE OXIDASE RESTORES NORMAL VASCULAR FUNCTION IN DISEASED HUMAN MAMMARY ARTERIES ISOLATED FROM PATIENTS UNDERGOING HEART SURGERY

Sturza A^{1,7}, Duicu O^{1,7}, Lighezan R^{2,7}, Balica R³, Vaduva A⁴, Feier H⁵, Gaspar M⁵, Claudia Borza C^{1,7}, Muntean D^{1,7}, Mornos C⁶
¹Department of Pathophysiology, ²Department of Parasitology, ³Department of Histology, ⁴Department of Morphopathology, ⁵Department of Cardiovascular Surgery, ⁶Department of Cardiology–2nd Cardiology Clinic, ⁷Center for Translational Research and Systems Medicine, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania

P43 INFLUENCE OF GENE POLYMORPHISMS FOR IL-10 AND TNF ALPHA RELATIVE RISK FOR CARDIOVASCULAR MORBIDITY IN HAEMODIALYSIS PATIENTS REGARDING GENE POLYMORPHISM FOR IL-10, IL-6 AND TNF ALPHA

Tošić Dragović J², Popović J², Djurić P², Janković A², Bulatović A², Barović M¹, Pravica V¹, Dimković N^{1,2}
¹Faculty of Medicine, University of Belgrade, Belgrade, ²Clinical Department for Renal Diseases, "Zvezdara" University Medical Center, Belgrade, Serbia

P44 EFFECTS OF URTICA DIOICA L. LEAF EXTRACT ON SYSTEMIC HAEMODINAMIC PARAMETERS IN EXPERIMENTAL MALIGNANT HYPERTENSION

Vajić UJ¹, Grujić Milanović J¹, Miloradović Z¹, Ivanov M¹, Bugarski B², Jovović Dj¹, Mihailović Stanojević N¹

¹Institute for Medical Research, University of Belgrade, Belgrade, ²Department of Chemical Engineering, Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia

P45 S WAVE IN V1-V3, DETECTABLE SIGN OF ASYMPTOMATIC AORTIC STENOSIS ON ECG

Vranić I

Clinical Centre of Serbia, University of Belgrade, Belgrade, Serbia

P46 THE 9P21 CHROMOSOMAL LOCUS IN ATHEROSCLEROSIS

Živković M¹, Životić I¹, Djurić T¹, Stanković A¹, Djordjević A¹, Končar I^{2,3}, Davidović L^{2,3}, Dekleva M⁴, Markovic Nikolic N⁴, Alavantić D¹

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IMPORTANT INFORMATION

MEETING DATE

October 08-10, 2015

MEETING VENUE

Hotel Crowne Plaza (Vladimira Popovića Street 10), Belgrade, Republic of Serbia
(participation upon registration only)

REGISTRATION

The meeting desk will be open on:

October 08 th	08.00 – 19.00
October 09 th	08.00 – 19.00
October 10 th	08.00 – 13.00

REGISTRATION FEE (before September 1st 2015 or after September 1st 2015)

PARTICIPANTS (except invited speakers)	50 € or 70 €
STUDENTS (only undergraduate)	*free of charge
*Certificate required	

NOTICE:

For attendees from abroad – payment in Euro to account of the Serbian Physiological Society:

INSTRUCTION FOR PAYMENT ORDERS IN FAVOR OF LEGAL ENTITIES IN EUR

Intermediary Bank / Correspondent Bank

SWIFT – BIC: DEUTDEFF
Name: DEUTSCHE BANK AG
City, Country: FRANKFURT AM MAIN, GERMANY

Account with institution / Beneficiary's Bank

SWIFT – BIC: KOBBSRBG
Name: KOMERCIJALNA BANKA AD BEOGRAD
Street: Svetog Save 14
City, Country: 11000 Belgrade, Republic of Serbia

Beneficiary

IBAN/ Account Number: RS35205007080003380087

Company name: DFS BEOGRAD

Street: Dr. Subotića 8

City, Country: Beograd - Savski venac, REPUBLIC OF SERBIA

For attendees from Serbia ONLY – payment in Dinars (according to the official currency rate on the day of payment) to Komercijalna Banka A. D. account of the Serbian Physiological Society number: 205-40932-94 KOMERCIJALNA BANKA A.D.

Full registration fee includes admission to both oral and poster sessions, and receiving abstract book with final program as well as certificate of participation.

CME ACCREDITED PROGRAM FOR CLINICIANS & PHARMACISTS

2nd European Section Meeting of the International Academy of Cardiovascular Sciences with general topic entitled “*Heart Diseases: How New Research May Lead to New Treatments*” has been accredited for continuing education program by the *Health Council of Serbia* (accreditation No. 153-02-1696, date 27.05.2015) as a first class rank meeting with a maximal number of credits (invited speaker 13, oral presenter 7, poster presenter 9, participant 7) (participants are physicians and pharmacists).

In addition three day-course for health practitioners with final single choice quiz has been accredited also. Each of the following courses is additionally granted with 10 credits for participants:

08. 10. 2015. NEW DRUGS & TECHNOLOGIES

- Accreditation No: A-1-800/15 (participants are physicians only)
- Continuing education program accredited by the Health Council of Serbia No. 153-02-416/2015-01, date 03.03.2015
- Lectures & Test preparation: Nebojša Tasić, Dušan Djurić

09.10.2015. CLINICAL PRACTICE GUIDELINES

- Accreditation No: A-1-594/15 (participants are physicians only)
- Continuing education program accredited by the Health Council of Serbia No. 153-02-416/2015-01, date 03.03.2015
- Lectures & Test preparation: Teodora Belić Živković, Dušan Djurić

10.10.2015. LIFE STYLE MANAGEMENT IN CARDIOVASCULAR DISEASES

- Accreditation No: B-27/15 (participants are physicians and pharmacists)
- Continuing education program accredited by the Health Council of Serbia No. 153-02-416/2015-01, date 03.03.2015
- Lectures & Test preparation: Vesela Radonjić, Milica Lazović Budimka Novaković, Svetlana Stojkov, Dušan Djurić

LUNCH, DINNER OR REFRESHMENT

Full hospitality will be provided free of charge for invited international guests. For the rest of participants refreshment should be provided on a commercial basis in a restaurant of the meeting venue. Furthermore, dinner in Skadarlija Bohemian Quarter and gala dinner are not included in the registration fee and should be provided with an additional cost of 25 Euro each.

OFFICIAL LANGUAGE

Official language of the meeting will be English, however for the accredited CME three day-courses for health practitioners Serbian language will be used as well. No simultaneous translation will be provided. All accepted abstracts will be published in English.

ORAL PRESENTATION

Speakers are allocated 20 minutes for the presentation with a discussion time according to the final program.

POSTER PRESENTATION

Interactive poster session (entitled “wine and cheese”) will be held during the meeting. Authors are requested to mount their posters from 09.00 to 19.00 on the day of the poster presentation (posters to be presented the first day of the meeting only). Poster size should be 120 (height) cm x 80 (width) cm. Poster figures should be designed to be viewed from a distance and the authors should use clear, visible graphics and large text fonts. Material for mounting posters will be provided in the poster area. Authors are requested to be present by their posters during the poster session for which their poster has been scheduled.

AWARDS NOTICE

The International Academy of Cardiovascular Sciences in association with the *European Section* will provide different awards from educational grants for speakers and for poster presenters as well.

AUDIOVISUAL FACILITIES

For oral presentations, video beam projection will be available in a conference room. Presentations should be prepared in „Power Point“(*.ppt file). For special audiovisual facilities, please send in advance a special request to the Organizing Committee.

SOCIAL PROGRAM

The social program will include excursion to countryside or boat tour. Please contact meeting desk for special inquiries.

ACCOMMODATION

Hotel accommodation and arrival/departure service will be organized in Hotel Crowne Plaza (Vladimira Popovića Street 10) or in a Hotel Park (str. Njegoševa 2, Belgrade) at a special rates. Please contact drvladakbg@yahoo.com. In order to receive an e-mail invitation and/or confirmation, please indicate your e-mail address.

CANCELLATION AND REFUNDS

Notification of cancellation should be sent in writing to the Organizing Committee. If a cancellation is received before September 1st 2015, 70% of the total amount will be refunded to the participant. We regret that no refunds can be given for cancellations received on or after that date. Please note that for administrative reasons, refunds will be dealt with after the meeting.

INVITATION FOR FULL-LENGTH PAPERS TO BE PUBLISHED IN CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY

Certain number of presentations will be selected and invited to be published as a full-length papers in a special issue of the *Canadian Journal of Physiology and Pharmacology*, which is affiliated with the *Canadian Society of Pharmacology and Therapeutics*, the *Canadian Physiological Society*, and the *International Academy of Cardiovascular Sciences*. For this option it will be possible following peer-review procedure.

PROGRAM AT GLANCE

2015 European Section Meeting of the International Academy of Cardiovascular Sciences (IACS-ES)

October 8th – 10th, 2015, Belgrade, Republic of Serbia

Venue: Hotel Crowne Plaza, Belgrade, Serbia (Hall Baltic & Aegean, Foyer)

Wednesday, October 7th 2015

Arrival

Thursday, October 8th 2015

08.00	Registration
09.00 - 12.50	Opening of the Meeting/Welcome Messages/Scientific Session
12.50 - 13.00	Joint photo (Foyer)
13.00 - 14.30	Lunch
14.30 - 18.10	Scientific Sessions (two sessions)
18.10 - 19.30	Poster Session with Wine and Cheese (Foyer)
16.00 - 19.00	CME Sessions in Serbian
20.00	Council Meeting of the European Section of IACS (Danube Room)

Friday, October 9th 2015

09.00 - 13.20	Scientific Session
13.00 - 14.30	Lunch
14.30 - 18.10	Scientific Session
16.00 - 19.00	CME Sessions in Serbian
20.00	Dinner in Skadarlija Bohemian Quarter

Saturday, October 10th 2015

09.00 - 16.20	Scientific Sessions (two sessions)
16.30 - 19.00	CME Sessions in Serbian
13.00 - 19.00	Excursion to Serbia Countryside with Lunch and Wine or Boat Tour
20.00	Gala Dinner/ IACS Awards Session/Farewell Remarks (Hotel Park)

Sunday, October 11th 2015

Departure